

Comparisons of Job Characteristics

Focus Occupation: [Roustabouts, Oil and Gas \(47-5071\)](#)

Associated Occupation: [Industrial Machinery Mechanics \(49-9041\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 80

Focus Occupation: Roustabouts, Oil and Gas (47-5071)
Associated Occupation: Industrial Machinery Mechanics (49-9041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	20.1	14.3	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	13.0	8.4	<<	Extensive education and/or training may be required
Design	5.2	11.5	7.1	<<	Extensive education and/or training may be required
Building and Construction	4.0	9.7	6.2	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Roustabouts, Oil and Gas (47-5071)
Associated Occupation: Industrial Machinery Mechanics (49-9041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Repairing	3.4	15.6	9.6	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	14.6	8.0	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	14.2	10.4	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	13.6	7.7	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	12.3	8.7	<<	Extensive development of skills in this area may be required
Operation and Control	5.4	11.6	9.5	<	A higher skill level may be required

Equipment Selection	3.3	9.8	7.0	<<	Extensive development of skills in this area may be required
Installation	1.7	6.4	1.3	<<	Extensive development of skills in this area may be required
Technology Design	2.6	5.2	3.1	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 82			
Focus Occupation: Roustabouts, Oil and Gas (47-5071)					
Associated Occupation: Industrial Machinery Mechanics (49-9041)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Reaction Time	4.8	13.9	9.2	<<	Extensive improvement in abilities may be required
Control Precision	6.6	12.9	12.9	0	Current ability level may be sufficient
Manual Dexterity	6.5	12.6	10.7	<	Some improvement in abilities may be required
Hearing Sensitivity	5.6	12.1	8.1	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	11.9	9.4	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	11.5	11.6	0	Current ability level may be sufficient
Auditory Attention	5.9	11.2	7.4	<<	Extensive improvement in abilities may be required
Visual Color Discrimination	6.4	10.6	7.2	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	7.7	6.2	<	Some improvement in abilities may be required
Wrist-Finger Speed	3.2	7.3	6.0	<	Some improvement in abilities may be required
Sound Localization	2.2	6.5	5.5	<	Some improvement in abilities may be required
Glare Sensitivity	2.6	6.2	6.0	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 79
Focus Occupation: Roustabouts, Oil and Gas (47-5071) Associated Occupation: Industrial Machinery Mechanics (49-9041)		
Work Activities	Exclusivity of Activity	
Adhere to safety procedures	12	
Assemble and install pipe sections, fittings, or plumbing fixtures	71	

Assemble, dismantle, or reassemble equipment or machinery	70
Fabricate, assemble, or disassemble manufactured products by hand	11
Move or fit heavy objects	8
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 57

Focus Occupation: Roustabouts, Oil and Gas (47-5071)
Associated Occupation: Industrial Machinery Mechanics (49-9041)

Tools and Technologies	Exclusivity
Business function specific software	1
Cleaning equipment	11
Computers	1
Content authoring and editing software	1
Dispensing tools	6
Face and head protection	7
Forming tools	2
Garden tools	12
Gas analyzers and monitors	10
Holding and clamping tools	3
Ladders and scaffolding	6
Lifting equipment and accessories	3
Pneumatic tools	8
Power tools	2
Pumps	9
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.